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TECH CENTER 1600/2900

DATE: 05/08/2002
TIME: 10:53:00

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,796A

Input Set : N:\paola\US09856796A.raw
Output Set: N:\CRF3\05082002\I856796A.raw

1 <110> APPLICANT: HIRSCH, FRANCOIS
 2 HAEFFNER, ASTRID
 3 <120> TITLE OF INVENTION: NF-KB ACTIVATION INHIBITORS, AND THEIR PHARMACEUTICAL
 4 USES
 5 <130> FILE REFERENCE: USB98CNRN
 C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/856,796A
 7 <141> CURRENT FILING DATE: 2001-05-25
 8 <150> PRIOR APPLICATION NUMBER: PCT/FR99/02897
 9 <151> PRIOR FILING DATE: 1999-11-24
 10 <150> PRIOR APPLICATION NUMBER: FR 98/14858
 11 <151> PRIOR FILING DATE: 1998-11-25
 12 <160> NUMBER OF SEQ ID NOS: 4
 13 <170> SOFTWARE: PatentIn Ver. 2.1
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 16 <211> LENGTH: 609
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
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 20 <221> NAME/KEY: CDS
 21 <222> LOCATION: (1)..(606)
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 25 1 5 10 15
 26 tgc ctg ccc tgg ctt caa gag ggc agt gcc ttc cca acc att ccc tta 96
 27 Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu
 28 20 25 30
 29 tcc agg ctt ttt gac aac gct agt ctc cgc gcc cat cgt ctg cac cag 144
 30 Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala His Arg Leu His Gln
 31 35 40 45
 32 ctg gcc ttt gac acc tac cag gag ttt aac ccc cag acc tcc ctc tgt 192
 33 Leu Ala Phe Asp Thr Tyr Gln Glu Phe Asn Pro Gln Thr Ser Leu Cys
 34 50 55 60
 35 ttc tca gag tct att ccg aca ccc tcc aac agg gag gaa aca caa cag 240
 36 Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln
 37 65 70 75 80
 38 aaa tcc aac cta gag ctg ctc cgc atc tcc ctg ctc atc cag tcg 288
 39 Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser Leu Leu Ile Gln Ser
 40 85 90 95
 41 tgg ctg gag ccc gtg cag ttc ctc agg agt gtc ttc gcc aac agc ctg 336
 42 Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val Phe Ala Asn Ser Leu
 43 100 105 110
 44 gtg tac ggc gcc tct gac agc aac gtc tat gac ctc cta aag gac cta 384

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45 Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu
46 115 120 125
47 gag gaa ggc atc caa acg ctg atg ggg agg ctg gaa gat ggc agc ccc 432
48 Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro
49 130 135 140
50 cgg act ggg cag atc ttc aag cag acc tac agc aag ttc gac aca aac 480
51 Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn
52 145 150 155 160
53 tca cac aac gat gac gca cta ctc aag aac tac ggg ctg ctc tac tgc 528
54 Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys
55 165 170 175
56 ttc agg aag gac atg gac aag gtc gag aca ttc ctg cgc atc gtg cag 576
57 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
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59 tgc cgc tct gtg gag ggc agc tgt ggc ttc tag 609
60 Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
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63 <210> SEQ ID NO: 2
64 <211> LENGTH: 202
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
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70 Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu
71 20 25 30
72 Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala His Arg Leu His Gln
73 35 40 45
74 Leu Ala Phe Asp Thr Tyr Gln Glu Phe Asn Pro Gln Thr Ser Leu Cys
75 50 55 60
76 Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln
77 65 70 75 80
78 Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser Leu Leu Ile Gln Ser
79 85 90 95
80 Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val Phe Ala Asn Ser Leu
81 100 105 110
82 Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu
83 115 120 125
84 Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro
85 130 135 140
86 Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn
87 145 150 155 160
88 Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys
89 165 170 175
90 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln
91 180 185 190
92 Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
93 195 200
95 <210> SEQ ID NO: 3

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96 <211> LENGTH: 582
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
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105 1 5 10 15
106 ctg tcg ctc cct ctg ggc ctc cca gtc ctg ggc gcc cca cca cgc ctc 96
107 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu
108 20 25 30
109 atc tgt gac agc cga gtc ctg gag agg tac ctc ttg gag gcc aag gag 144
110 Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu
111 35 40 45
112 gcc gag aat atc acg acg ggc tgt gct gaa cac tgc agc ttg aat gag 192
113 Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu
114 50 55 60
115 aat atc act gtc cca gac acc aaa gtt aat ttc tat gcc tgg aag agg 240
116 Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg
117 65 70 75 80
118 atg gag gtc ggg cag cag gcc gta gaa gtc tgg cag ggc ctg gcc ctg 288
119 Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu
120 85 90 95
121 ctg tcg gaa gct gtc ctg cgg ggc cag gcc ctg ttg gtc aac tct tcc 336
122 Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser
123 100 105 110
124 cag ccg tgg gag ccc ctg cag ctg cat gtg gat aaa gcc gtc agt ggc 384
125 Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
126 115 120 125
127 ctt cgc agc ctc acc act ctg ctt cgg gct ctg gga gcc cag aag gaa 432
128 Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu
129 130 135 140
130 gcc atc tcc cct cca gat gcg gcc tca gct gct cca ctc cga aca atc 480
131 Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile
132 145 150 155 160
133 act gct gac act ttc cgc aaa ctc ttc cga gtc tac tcc aat ttc ctc 528
134 Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu
135 165 170 175
136 cgg gga aag ctg aag ctg tac aca ggg gag gcc tgc agg aca ggg gac 576
137 Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp
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139 aga tga 582
140 Arg
142 <210> SEQ ID NO: 4
143 <211> LENGTH: 193
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens

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146 <400> SEQUENCE: 4
147 Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Ser Leu
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149 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu
150 20 25 30
151 Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu
152 35 40 45
153 Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu
154 50 55 60
155 Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg
156 65 70 75 80
157 Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu
158 85 90 95
159 Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser
160 100 105 110
161 Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
162 115 120 125
163 Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu
164 130 135 140
165 Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile
166 145 150 155 160
167 Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu
168 165 170 175
169 Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp
170 180 185 190
171 Arg

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,796A

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L:6 M:270 C: Current Application Number differs, Wrong Format